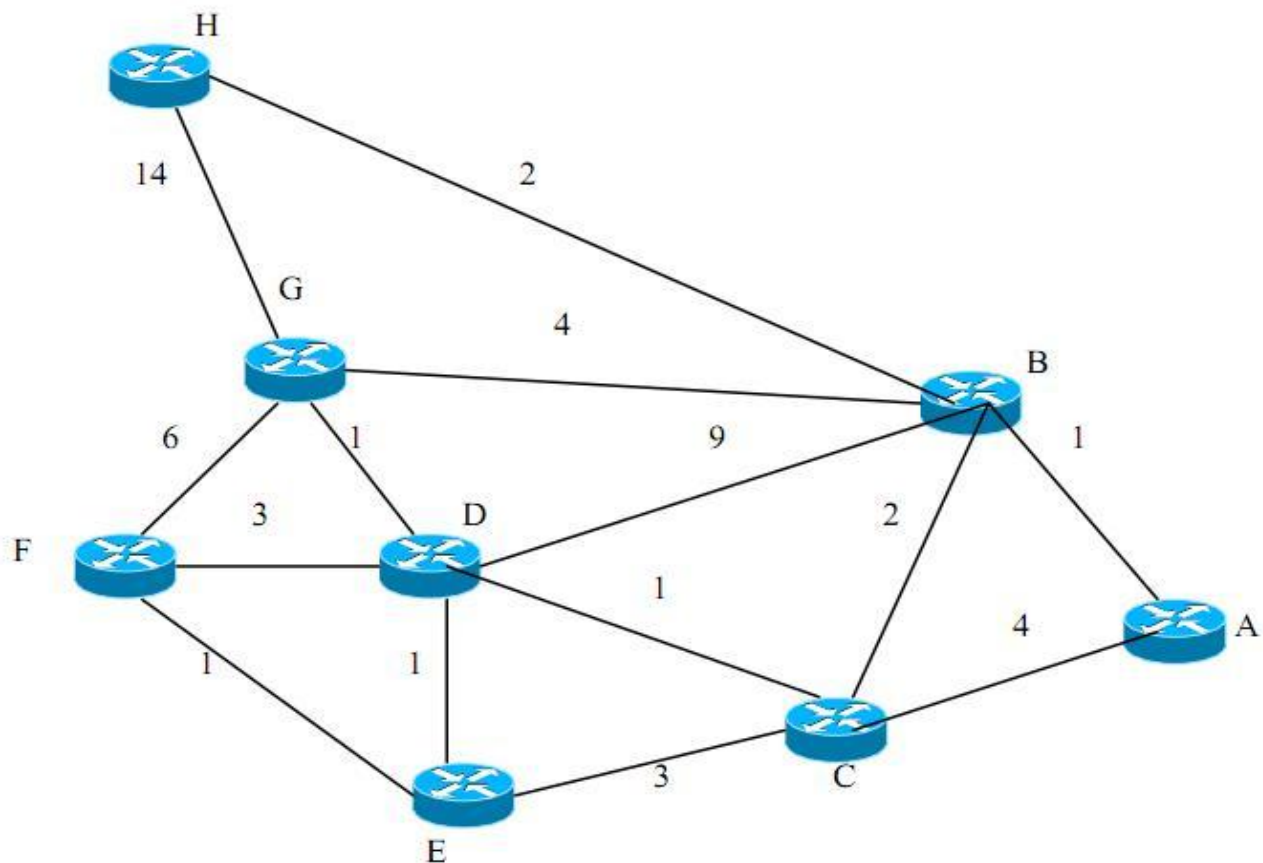


Tutorial 12

1. Obtain the Channel Capacity in bit rate, on a 2500 Hz carrier, if the signal to noise ratio (SNR)dB = 20 dB.
2. Obtain the CRC for the data stream 0100 0011 ('C') using pattern 1011 using the shifted polynomial method.
3. Using Dijkstra's algorithm in Figure 1, compute the shortest path from node E.

**Figure 1**